





PAGER Version 2

10,000

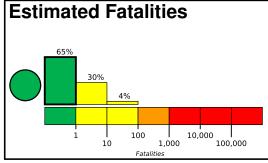
100,000

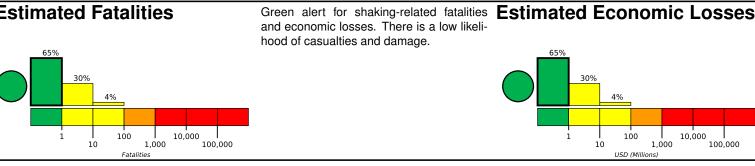
1,000

Created: 2 hours, 5 minutes after earthquake

M 5.9, 52 km SW of Caete, Chile

Origin Time: 2023-12-24 03:23:42 UTC (Sat 22:23:42 local) Location: 38.0756° S 73.8819° W Depth: 11.8 km





Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	2,881k*	465k	17k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

5000

Loncoche

Population Exposure



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

population per 1 sq. km from Landscan **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1998-04-01	278	6.7	V(284k)	_
1960-05-22	76	9.6	IX(227k)	_
1960-05-22	76	9.6	IX(227k)	0

Selected City Exposure

MMI	City	Population
IV	Canete	20k
IV	Lebu	22k
IV	Curanilahue	31k
IV	Carahue	12k
IV	Arauco	25k
IV	Angol	45k
Ш	Temuco	238k
Ш	Concepcion	215k
Ш	Talcahuano	253k
Ш	Valdivia	133k
Ш	Chillan	150k

bold cities appear on map.

(k = x1000)

^{*}Estimated exposure only includes population within the map area.